Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/17/2020 11:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123766	-1	2.81	123847	2.82
Blue	F	SSC	125000	123639	-2	1.47	124377	1.41
Blue	E	FITC	15892	15290	-4	3.09	334	21.73
Blue	D	PE	29999	28862	-4	2.25	629	15.61
Blue	B	PerCP-Cy5-5	43732	42818	-3	4.04	1150	21.37
Blue	A	PE-Cy7	30845	30597	-1	6.57	576	45.22
Red	C	APC	46112	44690	-4	2.41	1579	11.92
Red	A	APC-Cy7	30458	29388	-4	2.36	774	12.16
Violet	B	V450	7918	7471	-6	4.66	430	14.01
Violet	A	V500	32171	31004	-4	4.49	728	11.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16854	15.65	635	14	N/A	N/A	Pass
Blue	F	SSC	57080	1.10	576	17	N/A	N/A	Pass
Blue	E	FITC	60	70.60	551	8	0.0172	182	Pass
Blue	D	PE	132	53.18	557	9	0.1495	299	Pass
Blue	B	PerCP-Cy5-5	211	53.45	665	9	0.0083	94	Pass
Blue	A	PE-Cy7	106	111.19	710	12	0.0089	12	Pass
Red	C	APC	376	25.50	585	1	0.0259	223	Pass
Red	A	APC-Cy7	171	29.03	557	1	0.0054	876	Pass
Violet	B	V450	66	63.54	468	10	0.0438	2176	Pass
Violet	A	V500	108	39.97	484	10	0.0209	1482	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.39	-31.76	0.95
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.44
Red	15.53	13.60 - 20.40	N/A	N/A	28.98	29.71	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9846

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments